In the Claims

- 1.[[)]] (currently amended) A polymerizable composition comprising
 - a) an ethylenically unsaturated monomer;
 - b) a radical polymerization initiator; and
 - c) a hydroxylamine, a nitrone or an alkyl N-oxid having a molecular weight of more than 250 g/mol.
- 2. (currently amended) A polymerizable composition according according to claim 1 wherein the ethylenically unsaturated monomer is selected from the group consisting of ethylene, propylene, n-butylene, i-butylene, styrene, substituted styrene, conjugated dienes, acrolein, vinyl acetate, vinylpyrrolidone, vinylimidazole, maleic anhydride, (alkyl)acrylic acidanhydrides, (alkyl)acrylic acid salts, (alkyl)acrylic esters, (alkyl)acrylonitriles, (alkyl)acrylamides, vinyl halides ander vinylidene halides.
- 3. (currently amended) A polymerizable composition according to claim 1 wherein the ethylenically unsaturated monomer is a compound of formula CH₂=C(R_a)-(C=Z)-R_b, wherein Z is O or S;

R_a is hydrogen or C₁-C₄alkyl;

 R_b is NH₂, O (Me⁺), glycidyl, unsubstituted C₁-C₁₈alkoxy, C₂-C₁₀₀alkoxy interrupted by at least one N and/or O atom, or hydroxy-substituted C₁-C₁₈alkoxy, unsubstituted C₁-C₁₈alkylamino, di(C₁-C₁₈alkyl)amino, hydroxy-substituted C₁-C₁₈alkylamino or hydroxy-substituted di(C₁-C₁₈alkyl)amino, -O-CH₂-CH₂-N(CH₃)₂ or -O-CH₂-CH₂-N⁺H(CH₃)₂ An⁻;

An is a anion of a monovalent organic or inorganic acid; and Me is a monovalent metal atom or the ammonium ion.

4. (original) A polymerizable composition according to claim **2** wherein the ethylenically unsaturated monomer is styrene, n-butylacrylate, tert-butylacrylate, methylacrylate, ethylacrylate, propylacrylate, hexylacrylate or hydroxyethylacrylate.

- **5. (original)** A polymerizable composition according to claim **1** wherein the radical polymerization initiator is a azo compound, a peroxide, a perester or a hydroperoxide.
- **6. (original)** A polymerizable composition according to claim **5** wherein the radical polymerization initiator is a azo compound or a peroxide.
- 7. (currently amended) A polymerizable composition according to claim 1 wherein in component c) the hydroxylamine, the nitrone or the alkyl N-oxid having a molecular weight of more than 250 are of formulae (I), II) or (III)

where

R₁, R₂, R₃ and R₄ are independently hydrogen, phenyl or C₁-C₄alkyl;

 R_5 and R_6 are independently C_7 - C_{35} alkyl, C_7 - C_{35} alkenyl or C_7 - C_{35} alkinyl, which may be unsubstituted or substituted by phenyl, halogen, NH_2 , $N(R_{21})_2$, -OH, -CN, -NO₂, or -COOR₂₁; or which may be interrupted by -O- or -C(O)-; or

 R_5 and R_6 together are an alkylene bridge, which may be interrupted by a -O-, -C(O)- or a -N(C₁-C₁₈alkyl)- group to form a heterocyclic 5, 6, 7 or 8 membered ring, which may be further substituted by a -O-C(O)-]_nR₂₀, NR₂₁-C(O)-]_nR₂₀ or a ketal group;

n is 1 or 2; wherein, when n is 1, R_{20} is hydrogen or C_1 - C_{18} alkyl and, when n is 2, R_{20} is C_1 - C_{18} alkylene; R_{21} is hydrogen or C_1 - C_{18} alkyl;

 R_7 and R_8 are independently $C_8\text{-}C_{36}\text{alkyl};$ and R_9 is $C_1\text{-}C_4\text{alkyl}.$

- **8.** (original) A polymerizable composition according to claim **7** wherein the hydroxylamine is of formula (I).
- 9. (currently amended) A polymerizable composition according to claim 7 wherein the compound of formula (I) is of formula A', A", B' or O'

wherein

m is 1,

R is hydrogen, C_1 - C_{18} alkyl which is uninterrupted or interrupted by one or more oxygen atoms, cyanoethyl, benzoyl, glycidyl, a monovalent radical of an aliphatic carboxylic acid having 2 to 18 carbon atoms, of a cycloaliphatic carboxylic acid having 7 to 15 carbon atoms, or an α,β -unsaturated carboxylic acid having 3 to 5 carbon atoms or of an aromatic carboxylic acid having 7 to 15 carbon atoms;

p is 1;

 R_{101} is C_1 - C_{12} alkyl, C_5 - C_7 cycloalkyl, C_7 - C_8 aralkyl, C_2 - C_{18} alkanoyl, C_3 - C_5 alkenoyl or benzoyl; R_{102} is C_1 - C_{18} alkyl, C_5 - C_7 cycloalkyl, C_2 - C_8 alkenyl unsubstituted or substituted by a cyano, carbonyl or carbamide group, or is glycidyl, a group of the formula - $CH_2CH(OH)$ -Z or of the formula -CO-Z or -CONH-Z wherein Z is hydrogen, methyl or phenyl;

-O-CH₂-CH=CH-CH₂-O-,
$$C_{17}H_{32}$$
 or C_{0} ; wherein

 R_{121} is hydrogen, C_1 - C_{12} alkyl, COOH, COO- $(C_1$ - C_{12})alkyl or CH_2OR_{124} ;

R₁₂₂ and R₁₂₃ are independently hydrogen, methyl ethyl, COOH or COO-(C₁-C₁₂)alkyl;

R₁₂₄ is hydrogen, C₁-C₁₂alkyl, benzyl, or a monovalent acyl residue derived from an aliphatic, cycloaliphatic or aromatic monocarboxylic acid having up to 18 carbon atoms;

G₆ is hydrogen and G₅ is hydrogen or C₁-C₄alkyl, and

G₁, G₂, G₃ and G₄ are methyl; or

 G_1 and G_3 are methyl and G_2 and G_4 are ethyl or propyl or G_1 and G_2 are methyl and G_3 and G_4 are ethyl or propyl.

10. (original) A polymerizable composition according to claim **7** wherein in the hydroxylamine of formula (I)

R₁, R₂, R₃ and R₄ are hydrogen; and

R₅ and R₆ independently are C₇-C₃₅alkyl or C₇-C₃₅alkenyl.

- 11. (original) A process for preparing an oligomer, a cooligomer, a polymer or a copolymer (block, random or graft) by free radical polymerization of at least one ethylenically unsaturated monomer or oligomer, which comprises (co)polymerizing the monomer or monomers/oligomers in the presence of
 - b) a free radical initiator and
 - c) a hydroxylamine, a nitrone or an alkyl N-oxid having a molecular weight of more than 250 g/mol.
- **12**. (currently amended) A process according to claim **11** wherein the polymer obtained has a polydispersity of between 1.1 and 2.5.
- 13. (currently amended) A process according to claim 11 wherein the polymerization is carried out by heating and takes place at a temperature of between 70°C and 160°C.
- **14.** (original) A process according to claim **11** wherein the hydroxylamine, the nitrone or the alkyl N-oxid having a molecular weight of more than 250 g/mol is present in an amount of 0.001 to 10 mol % based on the monomer or monomers.
- **15.** (**original**) A process according to claim **11** wherein the weight ratio between the radical polymerization initiator and the hydroxylamine, the nitrone or the alkyl N-oxid having a molecular weight of more than 250 g/mol is from 1:5 to 5:1.
- **16.** (currently amended) A polymer or copolymer obtainedable by a process according to claim **11**.

17. (canceled)